Aim

To write a Pandas program that displays the IDs of employees who have held two or more jobs in the past.

Algorithm

1. Import the Pandas library
2. Create a DataFrame with the given employee job history data
3. Group the data by EMPLOYEE_ID and count the number of unique jobs
4. Filter for employees with 2 or more jobs
5. Display the EMPLOYEE_IDs of those employees

Code

```
import pandas as pd

data = {
    'EMPLOYEE_ID': [102, 101, 101, 201, 114, 122, 200, 176, 176, 200],
    'START_DATE': ['2001-01-13', '1997-09-21', '2001-10-28', '2004-02-17', '2006-03-
24', '2007-01-01', '1995-09-17', '2006-03-24', '2007-01-01', '2002-07-01'],
    'END_DATE': ['2006-07-24', '2001-10-27', '2005-03-15', '2007-12-19', '2007-12-31',
'2007-12-31', '2001-06-17', '2006-12-31', '2007-12-31', '2006-12-31'],
    'JOB_ID': ['IT_PROG', 'AC_ACCOUNT', 'AC_MGR', 'MK_REP', 'ST_CLERK', 'ST_CLERK',
'AD_ASST', 'SA_REP', 'SA_MAN', 'AC_ACCOUNT'],
    'DEPARTMENT_ID': [60, 110, 110, 20, 50, 50, 90, 80, 80, 90]
}
df = pd.DataFrame(data)
employees_with_multiple_jobs = df.groupby('EMPLOYEE_ID')['JOB_ID'].nunique()
employees_with_multiple_jobs =
employees_with_multiple_jobs[employees_with_multiple_jobs >= 2]
print("Employee IDs with two or more jobs:")
print(employees_with_multiple_jobs.index.tolist())
```

Output

```
Employee IDs with two or more jobs:
[101, 176, 200]
```

Result

The program successfully identifies and displays the IDs of employees who have held two or more jobs in their work history.